EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
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| S1 | 1 | (10/594040).APP. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 08:03 |
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| S3 | 31820 | fujikura-LTD\$.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 09:27 |
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| S17 | 499 | S14 S15 S16 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/31 10:00 |
| S18 | 290 | S17 and S13 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/31 10:00 |
| S19 | 10 | ("5024966" "5998292" "6359382" "6664485" "6809025" "6858891").PN. OR ("7265052").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/07/31 10:23 |
| S20 | 241425 | ((through or thru) with (silicon or substrate or wafer or board) with (via or hole or opening or inter\$connect\$4 or wiring or wire or electrode)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/07/31 10:26 |
| \$21 | 5067 | (257/E23.169-E23.178).OCLS. | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 10:34 |
| S22 | 4149 | (257/621,774).OQLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 10:34 |
| S23 | 4149 | (257/621,774).OCLS. | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 10:34 |
| S24 | 8735 | ((438/629,630,637- 640,668,672,675,) or (257/ E21.597)).CQLS. | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 10:35 |
| \$25 | 9037 | S21 or S22 or S23 | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:37 |
| \$26 | 4265 | S25 and S20 | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:38 |

| S27 | 971 | (bump\$3) with (separat\$4 or extend\$4 or away) same \$20 | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:41 |
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| S28 | 83 | \$27 and \$26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:41 |
| S29 | 3617 | (257/774).CQLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 10:43 |
| S 30 | 1759 | \$29 and \$20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:43 |
| S31 | 27 | \$27 and \$29 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 |
| S32 | 83 | S31 or \$28 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 10:44 |
| S33 | 2261 | (bump\$3 or ball) with (separat \$4 or extend\$4 or away) same \$20 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 12:23 |
| S34 | 165 | S33 and S26 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/07/31 12:24 |
| S35 | 4 | (("20050064707") or ("6479382")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 15:44 |

| S36 | 3 | (("6936536") or ("20040072422")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 15:47 |
|------|----|---|---|-----|-----|---------------------|
| \$37 | 3 | (("7091124") or ("20050104228")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 15:59 |
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| 539 | 57 | ("4806111" "5229647" "5438212" "5622097" "6013948").PN. OR ("6667551"). | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/07/31 16:04 |

| S40 | 2 | ("20040063268").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/31 16:10 |
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| S41 | 2 | ("20040207081").FN. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/03 07:22 |
| S42 | 1 | (10/594040). APP . | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/08/03 11:00 |
| S43 | 140 | wada-hideyuki\$.in. suemasu- tatsuo\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:00 |
| S44 | 33221 | fujikura-LTD\$.as. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:00 |
| S45 | 1 | S42 and (S43 S44) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:00 |
| S46 | 112 | S43 and S44 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:01 |
| S47 | 1 | "10646757" | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:04 |
| S48 | 24 | ("5501893" "6239495" "6756681" "6790775" "6856210" "6864172").PN. OR ("7022609").URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/08/03 11:05 |

| S49 | 135 | S46 S47 S48 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:08 |
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| S50 | 89 | S49 and (@pd<="20041005" @ad<="20041005" @rlad<="20041005") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:10 |
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| S53 | 408 | S51 and (@pd<="20041005" @ad<="20041005" @rlad<="20041005") | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:21 |
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| S54 | 5345 | (257/E23.169-E23.178).OOLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/08/03 11:22 |
| S55 | 4649 | (257/621,774).OOLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/08/03 11:22 |
| S56 | 9404 | ((438/629,630,637- 640,668,672,675,) or (257/ E21.597)).CQLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/08/03 11:22 |
| S57 | 18144 | \$54 \$55 \$56 | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:22 |
| S59 | 116 | SS3 and SS7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/08/03 11:23 |
| S60 | 17 | ("5024966" "5998292" "6359382" "6664485" "6809025" "6858891").PN. OR ("7265052").URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/08/03 11:24 |
| S61 | 57 | ["20020148807" "20050006768" "20050006768" "4806111" "5063177" "5166097" "5229647" "523651" "5229647" "5236551" "5229880" "5420520" "5428520" "5438212" "5483741" "5438212" "55483741" "5541525" "55595444" "5541525" "5569644" "5541196" "6013948" "5441196" "6013948" "6018196" "6022797" "6086377" "608664" "6114240" "621768" "6355181" | US-POPUB; USPAT; USOOR | OR | ON | 2010/08/03 |

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| S62 | 76 | ["2010058981" "20020053465" "2003003846" "20030038344" "20030047809" "4052787" "4211603" "4851615" "5410172" "5421083" "5529950" "5891606" "596675" "6091137" "6184579" "6225651" "6259160" "6262486" "626938" "6284108" "6400010").PN. OR ("6774486"). | US-PGPUB; USPAT; USOOR | OR | ON | 2010/08/03 13:41 |
| S63 | 776 | ("20010055891" "20020053465" "20030053465" "20030038344" "20030047809" "4052787" "2411602" "4851615" "5410172" "5421083" "5529950" "559950" "5996575" "6091137" "6184579" "6225651" "6259160" "62262486" "6268238" "6284108" "6400010"), P.N. OR ("6774486"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/08/03 13:41 |
| \$64 | 1 | (10/594040).APP. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/17 09:36 |
| S65 | 663 | (257/735).OCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 09:38 |
| S66 | 218200 | ((through or thru) with (silicon or substrate or wafer or board) with (via or hole or opening or inter\$connect\$4 or wiring)) | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 09:38 |
| S67 | 139 | S65 and S66 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 09:39 |
| S68 | 87 | ("5239198" "5455456" "5468784" "5468999" "5652463").PN. OR ("5808873"). URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 09:40 |

| S69 | 9 | ("20020070429" "20030011070" "20030116857" "6221769" "6225651" "6294837" "6603190").PN. OR ("7067353"). | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 09:43 |
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| S70 | 96 | (S68 S69) not (S67) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 09:44 |
| S71 | 57 | ("4610077" "4964212" "5166097" "5306670" "5425816" "5529950" "5998292").PN. OR ("6221769"). URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 09:45 |
| S72 | 30 | ("5343071" "5350948" "5426072" "5436174" "5574295" "5880491" "5920122" "6002177").PN. OR ("6225651").URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 09:46 |
| S73 | 20 | ("5316787" "5397917" "5509200" "5581122" "5640047" "5808873" "H001471").PN. OR ("6400010"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 09:47 |
| S74 | 39 | ("4348252" "4377316" "468685" "5108562" "468685" "5786583" "58498216" "5786583" "5869873" "5841190" "5888884" "6114768" "6171883" "6226661" "6251696" "6323546" "6383835" "6383837" "6392158" "640161"), FN. OR ("6703689"), URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 09:59 |
| S75 | 139 | S71 S72 S73 S74 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:02 |
| S76 | 130 | S75 not (S88 S69 S67) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:03 |
| S77 | 35 | ["3928093" "3937579" "4189820" "4261781" "4782028" "5142756" "5166097" "5240882" "5250460" "5362683" "5530552" "5600237" "5739067" "6010951" "6110825" "6187677" "6221769").PN. OR ("6479382"). | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 10:11 |

| S78 | 25 | ("20020019069" "20020030245" "6239495" "6703689" "6720661" "6864172" "7022609").PN. OR ("7180149").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:13 |
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| S79 | 12 | ["3462650" "3648131" "5424245" "6225651" "6667551" "6882948" "6703689" "6720661" "6790775" "6873054" "6902872").PN. OR ("7432582"). URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 10:13 |
| S80 | 14 | ["20020023765" "2502335" "20020038663" "5502335" "6068407" "61686889" "6069407" "6145731" "6325694" "6225696" "6372540" "6372696" "640010" "6404061" "6404067" "6410979"). FN. OR ("7535093"). | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:14 |
| S81 | 10 | ("5024966" "5998292" "6221769" "6359326" "6359382" "6664485" "6809025" "6858891" "6936536" "7265052").PN. OR ("7750477").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:15 |
| S82 | 71 | (S77 S78 S79 S80 S81) not (S75 S88 S89 S67) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:17 |
| S83 | 51 | ("20050082654" "2005026951" "2005025951" "2006017317" "2006017317" "20060183679" "20070246819" "20070246819" "5434451" "5503285" "5434451" "5851911" "59950070" "6824837" "6830555" "6400172" "6437254" "6465877" "6501165" "6699762" "6638792" "6611052" "6638792" "661052" "6638792" "6740960" "683303" "6828175" "6839131" "684183" "6897089" "6903442" "691355" "6917090" "699400" "699417" "7029949" "7042080" | US-PGPUB; USPAT; USCOR | OR | ON | 2010/09/17 |

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| \$84 | 77 | ["2002011520"] "20030168342"] "20040178495"] "20040178495"] "24211603"] "4411693"] "4417690"] "4411693"] "4417694"] "4417694"] "4417694"] "4417694"] "4525246"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "4802624"] "5218761"] "524265"] "5248761"] "524265"] "524265"] "524265"] "524265"] "524265"] "524265"] "5342680"] "54424245"] "55868026"] "5574787"] "5868262"] "5688091"] "5889368"] "5689368"] "6027995"] "6026257"] "6114768"] "6227412"] "6277669"] "629732"] "629732"] "629732"] "629732"] "629732"] "629732"] "629732"] "629732"] "629732"] "629732"] "6297332"] "6384481"] "6448688"] "644864"] "64468888"] "64868886"] "6562020"] "6565729"] "6565729"] "6565729"] "65667288"] "6667388"] "6686267"] "6711812"] "67666788"].URPN. OR | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 |
| S85 | 81 | ("20040173454" "20040173495" "2820752" "3577324" "4179800" "4211603" "4312897" "4225700" "4487654" "4525746" "4605471" "4692249" "4720324" "4890262" "4870624" "4896213" "4870629" "5160570" "5168624" "5218761" "5242655" "5282966" "5245751" "5262718" "5286352" "5309632" "5374788" | US-PGPUB; USPAT; USOCR | OR | Z | 2010/09/17 10:18 |

| S90 S91 | 4 | | US-PGPUB: | OR | ON | 2010/09/17 |
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| | 19 | ("3648131" "3761782" "5122856" "6187615").PN. OR ("6693358").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:28 |
| 389 | 14 | ("20020038908" "20030058630" "5493096" "5646067" "6245596" "6429096" "6566232").PN. OR ("6670269").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:27 |
| 388 | 165 | | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:22 |
| 3 87 | 29 | ["20020089572" "20020151171" "20030081073" "20040043607" "5373627" "5425816" "6395632").PN. OR ["6790775").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:20 |
| 38 6 | 25 | ("20010023779" "20020084513" "6693358"). PN. OR ("6873054").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 10:20 |
| | | "5421083" "5424245" "5536909" "5536909" "5674787" "5682062" "5876500" "5876500" "5876560" "6072236" "60147664" "6072236" "6114768" "618024" "622664" "622664" "622664" "622664" "622664" "622667" "622667" "622667" "624935" "6252300" "6255126" "6252300" "6255126" "6277669" "625300" "6255126" "6277669" "6257667" "627669" "62576576" "627669" "62576576" "648838" "6478382" "648839" "648644" "6468889" "6565720" "6565720" "6565720" "6607088" "6607038" "6617038" "6711812" "6743499" "6761266" "6711812" "6743499" "6863764" "6863483" "686205" "6865720" "6863483" "6711812" "6734499" "6863483" "6710776").PN. OR (77603772").UFPN. | | | | |

| S92 | 36 | S99 S90 S91 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:53 |
|-----|----|---|---|----|----|---------------------|
| S93 | 50 | (US-4359277-\$ or US-4368503-\$ \$ or US-4725925-\$ or US- 4780957-\$ or US-4791238-\$ or US-4806706-\$ or US-4893174-\$ or US-4895425-\$ or US- 489624287-\$ or US-55116440-\$ or US-6350960-\$ or US-5350960-\$ or US-5350960-\$ or US-5350900-\$ or US-5439732-\$ or US-5434900-\$ or US-5439732-\$ or US-5444189-\$ or US-5439732-\$ or US-54485039-\$ or US-5549732-\$ or US-54485039-\$ or US-5587167-\$ or US-568273-\$ or US-5567167-\$ or US-5568701-\$ or US-5785086-\$ or US-578972-\$ or US-57868701-\$ or US-5785086-\$ or US-6121554-\$ or US-6121554-\$ or US-612958-\$ or US-6144212-\$ or US-6144798-\$ or US-61286325-\$ or US-6128169325-\$ or US-6128169-\$ or US-612805-\$ or US-612805-\$ or US-612805-\$ or US-612805-\$ or US-612805-\$ or US-612800-\$ or US-612800-\$ or US-612805-\$ or US-612800-\$ or US-612805-\$ or US-612800-\$ or US-61280 | USPAT | OR | ON | 2010/09/17 |
| S94 | 50 | (US-4359277-\$ or US-4368503-\$ or US-472925-\$ or US-472925-\$ or US-4780957-\$ or US-4791238-\$ or US-4806706-\$ or US-4893174-\$ or US-4895425-\$ or US-51268-\$ or US-5116440-\$ or US-51268-\$ or US-5116440-\$ or US-532035-\$ or US-5439732-\$ or US-5439732-\$ or US-5444637-\$ or US-5449637-\$ or US-5549639-\$ or US-5529464-\$ or US-5536827-\$ or US-55368538-\$ or US-556827-\$ or US-578558-\$ or US-578972-\$ or US-578972-\$ or US-578962-\$ or US-578956-\$ or US-578973-\$ or US-578956-\$ or US-578967-\$ or US-578965-\$ or US-578967-\$ or US-578965-\$ or US-578967-\$ or US-578965-\$ or US-578967-\$ or US-578965-\$ or US-578967-\$ or US-578967-\$ or US-578967-\$ or US-578967-\$ or US-578967-\$ or US-5789651-\$ or US-5790651-\$ or US-579051-\$ | USPAT | OR | ON | 2010/09/17 10:57 |

| | *************************************** | 6010769-\$ or US 6016013-\$ or US 6057600-\$ or US 6097089-\$ or US 6121554-\$ or US 6129584-\$ or US 6140766-\$ or US 6144212-\$ or US 6169325-\$ or US 6184479-\$ or US 6194781-\$ or US 629095-\$ or US 6218610-\$ or US 6229095-\$),did. | *************************************** | *************************************** | *************************************** | *************************************** |
|------|---|---|---|---|---|---|
| S95 | 50 | S93 S94 | US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 10:59 |
| S96 | 1 | (10/594040) .APP. | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/17 12:52 |
| S97 | 140 | wada-hideyuki\$.in. suemasu- tatsuo\$.in. | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 12:55 |
| S98 | 41224 | fujikura\$.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 12:56 |
| S99 | 112 | 997 and 998 | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 12:56 |
| S100 | 1 | (11/078356).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 12:57 |
| S101 | 18 | ("20030082356" "20050064707" "6110825" "6235624" "6479382" "6555461" "6605528" "6902872").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 12:58 |
| S102 | 14 | [("20020030245" "20030222350" "20040040149" "20040207081" "20050104228" "5634268" "6163462").FN. | US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:01 |

| S103 | 21 | ("5477933" "5499444" "5598036" "5620927" "5652185" "5663594" "5874776").PN. OR ("6163462"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 13:02 |
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| S104 | 6 | 2001-015633 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:09 |
| S105 | 4 | "2001015633" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:10 |
| S106 | 8 | (("20030222350") or ("5634268") or ("20040040149") or ("6163462")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:11 |
| S107 | 2 | (10/375146).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:13 |
| S108 | 4 | ("5870289" "6335565").PN. OR ("7045886").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 13:13 |
| S109 | 2 | (10/230653).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:15 |
| S110 | 30 | ("20030003724" "2003001976" "5447264" "5739050" "5815000" "5884218" "6018249" "6025728" "6072323" "6078186" "601429" "6094058" "6107122" "6150717" "6163956" "6182329" "6197122" "6182329" "6198172" "6285333" "6395604" "6294839" "6356098" "62686898" "6356098" "673938") UHFN. OR | US-POPUB; USPAT; USOOR | OR | ON | 2010/09/17 13:15 |
| S111 | 1529 | (257/E21.597).OOLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:33 |
| S112 | 319 | S111 and (seed adj layer) and (bump electrode) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:33 |

| S113 | 141 | S112 and (@pd<="20041005" @ad<="20041005" @rlad<="20041005") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:34 |
|------|-----|--|---|------|----|---------------------|
| S114 | 61 | ("20020017710" "200200847513" "5071792" "20020084513" "5071792" "5286912" "5885039" "5886913" "5885039" "5886913" "58953725" "5888883" "5893725" "6898383" "5893725" "603948" "6060373" "6080602" "6060373" "6080602" "607845" "6107109" "6107164" "611349" "610711" "6153448" "6169329" "613531" "6150717" "6153448" "6169329" "6221751" "623185" "6221131" "6226898" "6339890" "6350664" "6339321" "6326998" "6339321" "6326999" "6432752" "6524890" "6534387" "6589855" "660945" "6589855" "660945" "6589855" "660941" "689875" "689041" "6908744" "6903442" "6906418" "6908764" "6906418" "6908764" "612731" PN. OR ("7473582") UPPN. OR | US-PGPUB; USPAT; USOCR | OR . | ON | 2010/09/17 |
| S115 | 24 | ("20020030245" "20020047210" "20020047210" "2002007891" "3761782" "2002007891" "3761782" "5829647" "58648331" "5828010" "5946556" "6114221" "6124179" "6271059" "6300782" "6303988" "6355961" "643427" "6492200" "6586829" "6699787" "6703310" "6703689" "6998784").FN. OR ("7579671"). | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 13:42 |

| S116 | 55 | ("20020020898" | US-PGPUB; | OR | ON | 2010/09/17 |
|------|-----|---|---|----|-----|---------------------|
| | | "20050136646" "5128831" "5145099" "5407866" "5593927" "5677566" "5723904" "5566628" "5723904" "5596628" "5981977" "5904499" "5946555" "5986209" "5990566" "6018249" "6020624" "6072233" "6103547" "6107122" "6103547" "6107122" "6103547" "6107122" "613622" "6130474" "613622" "6130474" "6188222" "613964" "6188222" "613964" "6189298" "62295868" "62241716" "6222136" "6247629" "62256623" "6244761" "6245609" "6244476" "6245609" "625689" "6256609" "6261042" "6285204" "6281042" "6331221" "6344976" "6347568" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" "6483044" "6614092" | USPAT; USOCR | | | 13:42 |
| S117 | 135 | (S114 S115 S116) not S113 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:43 |
| S118 | 68 | ("20010018236" "5065228" "5527741" "5874770" "6039889" "6281040" "6410937").PN. OR ("6703310"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 13:45 |
| S119 | 22 | ("20020190371" "6429096" "6534874").PN. OR ("6699787"). URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 13:46 |
| S120 | 2 | ("20040043615").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:49 |
| S121 | 4 | (("20020025587") or ("20010027011")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:50 |
| S122 | 2 | (10/162587).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 13:52 |

| S123 | 23 | (ball bump electrode) with (offset apart) with (thru trough TSV) with (hole via interconnect \$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:58 |
|------|--------|---|---|----|-----|---------------------|
| S124 | 51 | (ball bump electrode) with (separat\$3) with (thru trough TSV) with (hole via interconnect \$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 13:59 |
| S125 | 1 | (11/965157). APP . | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 14:00 |
| S126 | 3 | (ball bump electrode) with (thru trough TSV) with (hole via interconnect\$3 wir\$3) with (stress) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:02 |
| S127 | 51 | (ball bump electrode) with (thru trough TSV) with (hole via interconnect\$3 wir\$3) with (pressure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:03 |
| S128 | 36 | (thru trough TSV) with (hole via interconnect\$3 wir\$3) with (conductive metal\$5) with (fill \$3) with (extend\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:05 |
| S129 | 1 | (11/811660).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 14:07 |
| S131 | 349864 | (thru through TSV) with (silicon substrate wafer board) with (via hole opening inter\$connect\$4 wir\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:10 |
| S132 | 5793 | S131 and (seed adj layer) and (bump ball electrode stud) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:11 |
| S133 | 4816 | \$132 and ((metal\$4 conductive) with (fill\$3 deposit\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:11 |

| S134 | 1091 | S133 and ((bump ball electrode stump) with (offset separat\$3 apart)) | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:12 |
|------|------|--|---|----|-----|---------------------|
| S135 | 359 | S134 and (insulating with (hola via opening recess)) | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:12 |
| S136 | 278 | \$135 and ("257"/\$.cols. "438"/\$. cols.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:13 |
| S137 | 132 | \$136 and (@pd<="20041005" @ad<="20041005" @rlad<="20041005") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:13 |
| S138 | 722 | (257/621).OCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 14:24 |
| S139 | 3 | S135 and S138 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:24 |
| S140 | 90 | S138 and ((bump ball electrode stump) with (offset separat\$3 apart)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 14:44 |
| S141 | 4 | ("20040137701" "20040212086" "20050009329" "6844627"). PN. OR ("7416963").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 14:47 |
| S142 | 2 | (10/683464).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 14:49 |

| S143 | 24 | ("20010014524" "2002000673" "200200019069" "20020038890" "20020038890" "20020038619" "20020038619" "20020038619" "20030186486" "20040018712" "5024966" "522947" "5973396" "6020217" "6025995" "6030211" "6294837" "6355981" "6392290" "6477013" "6800300" "6861745" "6908845"), PN. OR ("7622810"), URPN. | US-PGPUB; USPAT; USOOR | OR | ON | 2010/09/17 |
|------|----|---|---|----|-----|---------------------|
| S144 | 10 | ("5552341" "6518648" "6570252" "6617689" "6624516" 6639319" "6649465" "6674170" "6693356").PN. OR ("6844627"). | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 15:29 |
| S145 | 2 | (09/888588).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/17 15:39 |
| S146 | 11 | ("5343064" "6236103").PN. OR ("6590257").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 15:39 |
| S147 | 37 | ("5976710" "6103552" "6111317").PN. OR ("6479900"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 15:54 |
| S148 | 87 | S141 S142 S143 S144 S145 S146 S147 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/17 15:56 |
| S149 | 5 | ("5343064" "6236103" "6590257"). PN. OR ("6750125"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/17 16:00 |
| S150 | 2 | ("20030222350").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/20 11:14 |
| S151 | 0 | (56/324268).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/20 11:15 |
| S152 | 2 | ("5634268").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/20 11:15 |
| S153 | 2 | | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/20 11:16 |

| S154 | 518 | (CTE TCE) with (mismatch\$3) with (ball bump) | US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/20 11:26 |
|------|-----|---|---|----|-----|---------------------|
| S155 | 9 | S154 with (via hole recess) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/20 11:27 |
| S156 | 33 | S154 same (via hole recess) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/09/20 11:28 |
| S157 | 2 | (09/870710).APP. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2010/09/20 11:41 |
| S158 | 45 | ("4696985" "4984358" "5229647" "5548118" "5926951" "5949140" "6150188" "6222276" "6225651" "6404061").PN. OR ("6720661").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/09/20 11:42 |

EAST Search History (Interference)

9/20/2010 12:51:52 PM

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